

OPTICAL METHOD FOR DETECTING OBJECT

ABSTRACT OF THE INVENTION

5 The present invention provides a method for detecting the object by using the refraction and reflection, in conjunction with the coded signal. The detecting method includes the signal is generated in binary code, and the modulated coded signals are emitted from the light sources that have different position and the emitting angle within
10 the light emitting source flat array. Thus, the photosensitive device can determine the object is existence and measure the object size and distance that according to the reflected modulation light beam and a corresponding code information therewithin. Furthermore, the three-dimensional moving direction and the moving rate of the object
15 are calculated by the reflected modulation light beam and the coded signals therewithin.